# **ISI-LV Series**

**Emergency Lighting Inverter** 



# SINGLE PHASE SYSTEMS

175VA/W to 1100VA/W









Self-Testina

**Buy America** 

1100VA/W



### STANDARD FEATURES

- · High Efficiency System
- · Compatible With Incandescent, Fluorescent, LED & Quartz
- · Input Fuse and Battery Fuse Protection
- 90 Minute Run Time
- · System Status Indicators & Momentary Test Switch
- · High Crest Factor and Inrush Capabilities
- · Pure Sine Wave
- · Summary Fault Dry Form C Contacts
- NEMA Type 1 Cabinet

## **OPTIONAL FEATURES**

- Enhanced Communications
- Expanded Building Management Protocols
- BACnet or Modbus Communications Interface
- NEW IoT Connect Cloud Software
- Status Monitoring Contacts
- Output Circuit Breakers (Except on 175VA/W Systems)
- · Floor Mount
- · Battery Strapping
- · Plenum Rated 175VA Grid Mount Only
- · Automatic Event, Test and Alarm Log
- · Factory Startup and Training

#### **SPECIFICATIONS**

- Input Voltage: Field Selectable at 120VAC or 277VAC; 1-Phase 2 Wire Plus Ground +10% to -15%
- Relative Humidity < 95% (Non-Condensing)</li>
- · Load Power Factor: 0.5 Lagging to 0.5 Leading
- Output Voltage Distortion < 10% for Resistive Loads
- · Line Interactive PWM Inverter Type Utilizing MOSFET Technology
- · Compatible With Generators (10x Inverter Size)
- Maintenance Free VRLA Batteries

- · Microprocessor-Controlled, 3-Stage Battery Charger
- · Alarms Include Monthly Test Fault, Yearly Test Fault, Charger Fault, Load Reduction Fault, Output Voltage Low, Output Voltage High, Overload Fault, Low Voltage Disconnect, Heatsink Over Temp and Input Fuse Failure
- · 10kAIC at 120VAC; 1.5kAIC at 277VAC
- Inverter Operating Temp. 32°F/0°C to 104°F/40°C
- Battery Operating Temp. 68°F/20°C to 86°F/30°C per UL 924 **Specifications**

### **ISI-LV SERIES**

### **Emergency Lighting Inverter Single Phase** Systems 175VA/W to 1100VA/W



#### ORDERING GUIDE EXAMPLE MODEL # LV-5-W-1-C(1)-SB SB ISI-LV MODEL TYPE BATTERY TYPE CAPACITY MOUNTING WARRANTY & (Blank) - Standard Wall Mount Standard (UL 924) Standard 10 Yr ONSITE SERVICES® Warranty Battery - 350 FMB - Floor Mount (Adds 2.7" to (BLANK) - 1 Year Standard Warranty Total System Height: Not 3 - 550 **OUTPUT BREAKERS**<sup>3</sup> PM - 5 Year Prevent Maintenance Required to Mount 175VA Plan (Annual Maintenance System) Schedule) G - Plenum Rated Grid Mount SUS - Start-Up Service & Same QUANTITY W - Recessed Wall Mount Day Training (Standard 01-06 (175VA Only) 3 years warranty) AMP RATING TR - TR (if Required on Day Other Than Start Up) (Blank) = 20 5. 10. 15 SYSTEM OPTIONS FOR "G" (Blank) - Normally On **OPTIONS (WALL OR FLOOR)** GRID MOUNT VERSION (175VA)\*\* N.OFF - Normally Off 5 CAN PICK ANY: DT - Drip Top (NEMA 2) S - Switched<sup>5 7 8</sup> R - Infrared Remote Test RT - Remote Test Switch, Alarm FCH - Battery Charger Upgrade (12-Hour Recharge) & Indicator LF - TVSS Line Filter R - Infrared Remote Test \*\*Grid Mount Options is Only Available for 175VA Units - Remote Test Switch, Alarm & Indicator S - Battery Strapping CAN PICK 1: = Required feature for part number. SMC - Status Monitoring Dry Form C Contacts DR - Dimming Relay (Breaks 0-10V Dimming Signal) OTD - Output Transfer Delay to Emergency 7 = Optional feature. Not required for part number (Factory Set at 6 seconds) (Quantity Must be Specified, Maximum of 3)

- 1. Wall mounted unit is standard.
- 2. VA = W
- 3. Maximum output breakers available: 175VA-no OCBs available, 350/550VA 3 OCBs max. 750VA and 1100VA 6 OCBs max.
- 4. No meter panel included.
- 5. Normally off not available when using switched output.
- 6. Maximum of 3 switched outputs, each with 10 amp circuit breaker.
- on Type 2 and 3 systems. For systems with two or more switch outputs, cannot have additional communications or monitoring contacts.
- 8. I year standard warranty includes all parts. Up to 10 years prorated warranty

- 7. Multiple switched outputs or transfer delay limits available alarm contacts
- on batteries.

**DIMENSIONS** Batteries 90 Minutes @ Full Load **Electronics Module Total** System **Cabinet Dimensions Partial** Power Weight 90 Minute Number Voltage Model Rating **Batteries** of (lbs) Width Height Depth Weight (VDC) (VA / W) Number (lbs / kg) **Batteries** (lbs/kg) (in / cm) (in / cm) (in / cm) 7.5 / 19.1 48 / 21.8 LV-1 Plenum Rated Grid Mount 175 23.875 / 60.6 8/20.3 23 / 10.4 25 / 11.4 12 25 / 11.4 12 55 / 25 175 19.75 / 50.165 30 / 13.6 LV-1 Recessed Wall Mount 16.25 / 41.275 6.5 / 16.51 1 14.25 / 36.195 25 / 11.4 12 55 / 25 LV-1 Standard 175 17.75 / 45.085 6.5 / 16.51 30 / 13.6 1 19 / 48.26 22 / 55.88 9.25 / 23.495 50 / 22.7 50 / 22.7 24 100 / 45.4 LV-2 350 2 19 / 48.26 22 / 55.88 LV-3 9.25 / 23.495 55 / 24.9 75 / 34.0 36 130 / 59 550 3 25.25 / 64.135 22 / 55.88 9.25 / 23.495 80/36.3 100 / 45.4 48 180 / 817 LV-4 750 4 26 / 66.04 25.3 / 64.262 159 / 72 10.125 / 25.718 87 / 39.5 LV-5 48 246 / 111.5